| Index of Claims   |             |                     |   |          |                 |                |                 |              |        |                                | Application/Control No. |          |          |              |                 |                 |          |          |               |          | F        | Applicant(s)/Patent under Reexamination |       |            |          |          |          |          |           |    |         |         |         |     |
|---|-------------|---------------------|---|----------|-----------------|----------------|-----------------|--------------|--------|--------------------------------|-------------------------|----------|----------|--------------|-----------------|-----------------|----------|----------|---------------|----------|----------|---|-------|------------|----------|----------|----------|----------|-----------|----|---------|---------|---------|-----|
|   |             |                     |   |          |                 |                |                 |              |        | 10/612,244 Examiner Mark Kopec |                         |          |          |              |                 |                 |          | 1        | HERRON ET AL. |          |          |   |       |            |          |          |          |          |           |    |         |         |         |     |
|   |             |                     |   |          |                 |                |                 |              |        |                                |                         |          |          |              |                 |                 |          | Art Unit |               |          |          |   | П     |            |          |          |          |          |           |    |         |         |         |     |
| 1881   1881   1881   1881   1881   1881   1881   1881   1881   1881   1881   1881 |             |                     |   |          |                 |                |                 | 1754         |        |                                |                         |          |          |              |                 |                 |          |          |               |          |          |   |       |            |          |          |          |          |           |    |         |         |         |     |
|   |             |                     |   |          |                 |                |                 |              |        |                                |                         |          |          |              |                 |                 |          | 1751     |               |          |          |   |       |            |          |          |          |          |           |    |         |         |         |     |
| √ Rejected — (Through numera Cancelled  |             |                     |   |          |                 |                | al)             |              |        | N                              | N                       | on-      | -Elected |              |                 | A               |          | Appeal   |               |          |          |   |       |            |          |          |          |          |           |    |         |         |         |     |
| = Allowed   |             |                     |   |          | ÷               |                | Restricted      |              |        |                                |                         |          | 1        | Interference |                 |                 | Э        |          | 0             |          | Objected |   |       |            |          |          |          |          |           |    |         |         |         |     |
| Cla   | aim         |                     |   |          |                 | Date           |                 |              |        | 7 [                            | Cla                     | aim      | 1        |              |                 |                 | ate      |          |               |          | $\neg$   | Γ                                       | Cla   | im         | Т        |          |          | _        | Dat       | e  |         |         |         | 1   |
|   |             |                     |   |          |                 |                | П               | T            |        | 7 1                            |                         | 1        | T        | Π            |                 |                 | Ī        | П        | Т             | Т        |          | r                                       |       |            |          |          |          |          | Т         | Ť  | T       |         | T       |     |
| Final   | Oniginal    | 1/17/06             |   |          |                 |                |                 |              |        |                                | Final                   | Original |          |              |                 |                 |          |          |               |          |          |   | Final | Original   |          |          |          |          |           |    |         |         |         |     |
|   | 1           | 1                   | _ |          | П               |                |                 | ┪            | $\neg$ | <b>1</b>                       |                         | 51       |          |              |                 |                 |          | ┪        | 寸             | $\dashv$ | ┪        | r                                       |       | 101        |          |          |          |          | $\dagger$ | T  | 1       | T       | ✝       |     |
|   | 2<br>(3)    | M                   |   |          |                 |                |                 |              |        | ] [                            |                         | 52       |          |              |                 |                 |          |          |               | $\Box$   |          |   |       | 102        |          |          |          |          | $\Box$    |    | Π       |         |         |     |
|   | (3)         | M                   |   |          |                 |                | $\sqcup$        | _            |        | 4 1                            |                         | 53       | ┸        | L.           |                 | Ш               | _        |          | _             | _        | ╝        | L                                       |       | 103        | 上        | L        | $\sqcup$ |          | ╙         | L  | _       | L       | 丄       |     |
|   | <b>(4)</b>  | M                   |   | _        | $\square$       |                | $\vdash$        | 4            |        | 4 L                            |                         | 54       |          | _            | Ш               |                 |          | _        | _             | 4        | _        | L                                       |       | 104        | <u> </u> |          |          | _        | ļ         | ↓_ | 4       | ╄-      | 1_      |     |
|   | 3           |                     |   | _        | -               |                | $\vdash$        | _            |        | <b>-</b>                       |                         | 55       |          | ╄            | $\vdash$        |                 | 4        |          | $\dashv$      | _        | 4        | ┡                                       |       | 105        |          | ├        |          |          | ╄-        | ╄  | ╀       | ╄-      | ↓       |     |
|   | 7           | H                   | _ | _        | $\vdash$        | $\vdash$       | $\vdash$        | $\dashv$     | +      | -l                             |                         | 56<br>57 |          | ╀            | $\vdash$        | $\vdash$        | $\dashv$ |          | -             | $\dashv$ | $\dashv$ | ⊢                                       |       | 106<br>107 | ┼-       | ├        | ⊢        | -        | ╀         | ╁╌ | ╁       | +-      | ┼─      | 1   |
|   | 8           | H                   |   | -        | -               |                | $\vdash$        | -            |        | -l                             |                         | 58       |          | ┢            | $\vdash$        | $\vdash$        | $\dashv$ |          | $\dashv$      | $\dashv$ | $\dashv$ | ⊦                                       |       | 107        | ╁╌       | ┢        | -        | ⊢        | ╁         | ╁  | ╁       | ┿       | ╁       | ł   |
|   | 9           |                     |   | $\vdash$ | H               | Н              | $\vdash$        | -+           |        | -1 h                           |                         | 59       |          | ┢            | $\vdash$        | $\dashv$        | ᆉ        | -        | 十             | $\dashv$ | $\dashv$ | H                                       |       | 109        | $\vdash$ | H        | ╁        | -        | +         | ╁╴ | +       | +       | +       | 1   |
|   | 10          |                     |   | _        |                 |                |                 | T            |        | 1 h                            |                         | 60       |          | T            | Н               | $\vdash$        | 寸        | 7        | 十             | 十        | ┪        | r                                       |       | 110        | ┢        | 一        | $\vdash$ | $\vdash$ | T         | ╁╴ | +       | +       | T       | 1   |
|   | 11          |                     |   |          |                 |                |                 | 寸            | _      | 7 7                            |                         | 61       |          | $\vdash$     | $\vdash$        |                 |          |          | $\neg$        | $\dashv$ | ┪        | ┢                                       |       | 111        | $\vdash$ |          | $\vdash$ |          | T         | T  | $\top$  | +       | 1       | 1   |
|   | 12          | П                   |   |          | П               |                |                 | T            |        | 7 [                            |                         | 62       |          |              | П               |                 |          |          |               |          | ヿ        | Г                                       |       | 112        |          |          |          |          | T         | Τ  | $\top$  | $\top$  | Т       | 1   |
|   | 13          | W                   | ′ |          |                 |                |                 |              |        | ] [                            |                         | 63       |          |              |                 |                 |          |          |               |          |          |   |       | 113        |          |          |          |          |           | Т  | Τ       | T       |         |     |
|   | 14          | M                   |   |          |                 |                |                 |              |        | ] [                            |                         | 64       |          | L.,          |                 |                 |          |          |               |          |          |   |       | 114        | Γ        |          |          |          |           |    |         |         |         | }   |
|   | <b>(15)</b> |                     |   |          |                 |                |                 |              |        | ] [                            |                         | 65       | $\perp$  |              |                 |                 |          |          |               |          |          |   |       | 115        |          |          |          |          |           |    | Г       |         |         |     |
|   | 16          | Ш                   |   |          | Ш               |                |                 |              |        | ] [                            |                         | 66       |          |              |                 |                 |          |          |               | $\Box$   |          | Ĺ                                       |       | 116        |          |          |          |          |           |    |         |         |         |     |
|   | 17          | Щ                   |   |          | Ш               |                | Ш               |              |        | 1 L                            |                         | 67       |          | 匚            |                 |                 |          |          |               |          | _        | ·L                                      |       | 117        |          |          |          |          |           |    |         |         |         |     |
|   | 18          | Щ                   |   |          | Ш               | Ш              | Ш               | _            |        | 4 L                            |                         | 68       |          | 上            | Ш               |                 |          |          |               | $\perp$  | _        | L                                       |       | 118        |          | L        |          |          | 匚         | 乚  | $\perp$ |         |         |     |
| _   | 19          | Щ                   |   |          | $\sqcup$        | Ш              | Щ               | $\downarrow$ |        | -   -                          |                         | 69       |          | <u> </u>     | Ш               | $\sqcup$        | _        | _        | _             | _        | _        | L                                       |       | 119        | <u>_</u> | L        | <u> </u> | L        | <u> </u>  | 1  | 1       | $\perp$ | 1       | 1   |
|   | <b>2</b> 0  | $\sqcup$            | _ | <u> </u> | $\sqcup$        | Щ              | $\sqcup$        | $\dashv$     |        | 4                              |                         | 70       | 1        | <u> </u>     | $\sqcup$        | $\sqcup$        | _        | _        | _             | _        | _        | L                                       |       | 120        | <u> </u> | Ŀ        |          | _        | <u> </u>  | ┺  | $\perp$ | $\perp$ | $\perp$ | 1   |
|   | 21          | $\square$           |   |          | Щ               | Ш              | $\vdash \vdash$ | 4            |        | 4                              |                         | 71       | -        | ┞            | $\sqcup$        | $\sqcup$        | 4        | _        | _             | $\dashv$ | _        | -                                       |       | 121        |          | <u> </u> | $\sqcup$ | ļ        | $\vdash$  | ╀- | 4       | +-      | ↓_      | 1   |
|   | 22<br>23    | $\vdash \vdash$     | _ | <u> </u> | $\vdash \vdash$ | $\vdash$       | -               | 4            | -      | -   -                          |                         | 72       |          | -            | $\vdash \vdash$ | $\vdash \vdash$ | $\dashv$ |          |               | -        | 4        | -                                       | _     | 122        |          | $\vdash$ | <u> </u> | _        | ↓         | ↓_ | 4       | 4_      |         | 1   |
|   | 43          | $\vdash \downarrow$ |   | <b>-</b> | ⊢┤              | $\vdash\vdash$ | $\vdash$        | $\dashv$     |        | 4 }                            |                         | 73       |          | ├            | $\vdash$        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$      |          | $\dashv$ | -                                       |       | 123        | $\vdash$ | Ь—       | Н        | <u> </u> | $\vdash$  | ┼  | +-      | +       | +       | }   |
|   | (24)        |                     |   |          | ıl              | Ll             | L L             | _            |        | J L                            |                         | 74       |          | 1            |                 | <u> </u>        |          |          | - 1           | - 1      |          | - 1                                     | - 1   | 124        | 1        | ı        | ı        |          | i i       | 1  | 1       |         | 1       | i . |

|    | 6              | J ∟      | 56  | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |          |               |              |               |        |     | 106 |   |   |                    |   |           | 1         |   | $\perp$   |        |
|----|----------------|----------|-----|--|----------|---------------|--------------|---------------|--------|-----|-----|---|---|--------------------|---|-----------|-----------|---|---|--------|
|    | 7              | ] [      | 57  | П  |          | П             |              | П             | $\neg$ |     | 107 |   |   | $\Box$             | П   | П         | П         | $\top$  | $\Box$  | $\neg$ |
|    | 8              |          | 58  | $\square$  |          |               |              |               |        |     | 108 |   |   | $\Box$             | $\Box$  |           | $\Box$    |   | Т   |        |
|    | 9              |          | 59  | $\Box$   |          |               |              |               |        |     | 109 |   |   | П                  | П   |           | $\Box$    | -   |   | П      |
|    | 10             | ] [      | 60  | П  |          |               |              |               |        |     | 110 | П | П | Т                  | Т   | П         | $\exists$ |   | Т   |        |
|    | 11             | ] [      | 61  | $\Box$   |          |               |              |               |        |     | 111 |   |   | $\top$             |   | $\Box$    | $\Box$    |   |   |        |
|    | 12             |          | 62  | П  |          | П             |              |               |        |     | 112 |   |   | Т                  | ヿ   | $\neg$    | $\neg$    | $\top$  | $\top$  | $\neg$ |
|    | 13 4/          | 7 [      | 63  | П  |          | П             |              | $\top$        |        |     | 113 |   |   | $\top$             | $\Box$  | $\neg$    | $\neg$    |   | $\top$  | $\neg$ |
|    | 14 W           |          | 64  | Ш  |          | П             | П            | T             |        |     | 114 |   |   | $\exists$          |   |           | $\neg$    |   |   | $\neg$ |
|    | (B)            | ] [      | 65  | П  |          |               |              |               |        |     | 115 |   | П | Т                  | П   | П         | П         | $\top$  | Т   | ٦      |
|    | 16             | ] [      | 66  | $\square$  |          |               |              |               |        |     | 116 |   |   | $\top$             | $\Box$  |           | П         | $\Box$  | $\top$  |        |
|    | 17             | ] [      | 67  | $\square$  |          |               | $\Box$       | $\Box$        |        |     | 117 |   |   | Т                  | $\Box$  |           |           |   |   |        |
|    | 18             |          | 68  |  |          | П             |              | T             |        |     | 118 |   |   | Т                  | T   | П         | $\exists$ | $\top$  | Т   | $\neg$ |
|    | 19             | ] [      | 69  | П  |          |               |              |               |        |     | 119 |   |   | П                  | П   | П         | П         | Т   | Т   | 7      |
| L1 | 20             | ] [      | 70  |  |          |               |              |               |        |     | 120 |   |   | $\Box$             |   |           | $\Box$    |   |   |        |
|    | 211            |          | 71  |  |          |               |              |               |        |     | 121 |   |   | $\Box$             | $\Box$  |           | $\exists$ |   | $\Box$  |        |
|    | 22             |          | 72  |  |          |               |              |               |        |     | 122 |   |   | $\Box$             | $\Box$  | $\square$ | $\Box$    |   |   |        |
|    | 23             | J •      | 73  |  |          |               |              |               |        |     | 123 |   |   |                    |   |           |           |   |   |        |
|    | <b>23</b>      |          | 74  |  |          |               |              | $\prod$       |        |     | 124 |   |   | $\Box$             | $\Box$  | $\Box$    | $\Box$    |   | $\Box$  |        |
|    | 25             |          | 75  |  |          |               |              |               |        |     | 125 |   |   | Т                  | $\Box$  |           | $\Box$    |   | $\top$  |        |
|    | 26<br>27       |          | 76  |  |          |               |              |               |        |     | 126 |   |   | $\Box$             | $\Box$  |           |           |   | $\Box$  |        |
|    | 27             |          | 77  | $\Box$   |          | П             |              | $\Box$        |        |     | 127 |   | П | Т                  | П   | П         | П         |   | П   | $\neg$ |
|    | 248            |          | 78  | $\Box$   |          |               |              |               |        |     | 128 |   |   | $\Box$             | $\Box$  |           | $\Box$    |   | $\Box$  | $\Box$ |
|    | 30<br>31<br>32 |          | 79  |  |          |               |              |               |        |     | 129 |   |   | $\perp$            | $\Box$  |           | $\Box$    |   | $\Box$  |        |
|    | 30             |          | 80  |  |          |               |              |               |        |     | 130 |   |   |                    | $\Box$  |           |           |   | $\Box$  |        |
|    | 31             | ]. [     | 81  |  |          |               |              |               |        |     | 131 |   |   |                    |   |           | $\Box$    |   | $\prod$   | $\Box$ |
|    | 32             | ╛└       | 82  |  | $\perp$  |               |              |               |        |     | 132 |   |   |                    |   |           |           |   |   |        |
|    | 33             | ┚┖       | 83  |  |          |               |              |               |        |     | 133 |   |   |                    |   | $\Box$    |           |   |   |        |
|    | 34             | ] [      | 84  | Ш  |          |               |              |               |        |     | 134 |   |   | $\perp$            | $\Box$  | $\Box$    |           |   |   |        |
|    | 35             | J L      | 85  |  |          |               |              | $\perp$       |        | : L | 135 |   |   |                    |   |           |           |   |   | ╝      |
|    | 36             | ╛┖       | 86  |  |          |               |              |               |        |     | 136 |   |   |                    |   |           |           |   | $\perp$   |        |
|    | 37             | J        | 87  | Ш  |          | $\sqcup$      |              | $\perp \perp$ |        |     | 137 |   |   |                    |   |           |           | $\perp$   |   |        |
|    | 38             | J ∟      | 88  | Ш  |          |               |              |               |        |     | 138 | L |   | $\perp$            |   |           |           |   | $\perp$   | ╝      |
|    | 39             | ] [      | 89  | Ш  | $\perp$  | $\perp \perp$ |              | $\perp \perp$ |        |     | 139 |   |   | $\perp$            |   |           |           | $\perp$   | $\perp$   |        |
|    | 40             | ] [      | 90  |  |          | $\sqcup$      |              |               |        |     | 140 |   |   |                    |   |           |           |   |   |        |
|    | 41             | ] [_     | 91  |  |          | Ш             |              | $\perp \perp$ |        |     | 141 |   |   |                    |   |           |           |   |   |        |
|    | 42             | J L      | 92  | Ш  |          |               |              |               |        | L   | 142 |   |   |                    | $\Box$  |           |           |   |   |        |
|    | (3)N,          | <b>↓</b> | 93  | Ш  |          | <br>Ш         | $\perp$ L    | $\bot$        |        |     | 143 |   | Ш | $\perp$            | $_{\perp}$  | $\perp$   | $\perp$   |   | $\bot$  | _      |
|    | 44 W           |          | 94  | Ш  |          | <br>Ш         |              |               | _]     |     | 144 |   |   | $\perp$            | $oldsymbol{\bot}$   |           | $\Box$    | $\perp$   | $\perp$   |        |
|    | 45 <b>/V</b>   | 4 🗀      | 95  | Ш  |          | $\sqcup$      |              |               | _]     |     | 145 |   | Ш | $oldsymbol{\bot}$  | $oldsymbol{\bot}$   | $\Box$    | $\Box$    | $oldsymbol{\perp}$                                | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $\Box$ |
|    | 46             | ⇃╙       | 96  | Ш  |          | $\Box$        |              |               | _]     |     | 146 |   |   | $oxed{\mathbb{I}}$ | $oxed{\bot}$  | $\Box$    |           | J   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |        |
|    | 42             |          | 97  | Ш  |          | $\Box$        | $oxed{\Box}$ |               |        |     | 147 |   |   |                    |   |           |           | $\prod$   |   |        |
|    | 48             |          | 98  | $\square$  |          |               | $\Box$       |               |        |     | 148 |   |   | $\Box$             |   |           |           | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |        |
|    | 49             |          | 99  | Ш  | $\bot I$ |               |              |               |        |     | 149 |   |   | $\Box$             | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $\Box$    | $\Box$    | $\perp$   | $oldsymbol{ol}}}}}}}}}}}}}}}$ |        |
|    | 50             |          | 100 | ШI   |          |               | $\Box$       |               |        |     | 150 |   |   | Т                  | Т   |           |           |   | T   |        |